

COMBINED DECLARATION AND POWER  
OF ATTORNEY FOR PATENT APPLICATION

DECLARATION:

As the below named inventors, we hereby declare that:

Our residences, post office addresses and citizenships are as stated below next to our names.

We believe we are original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled ANTENNA WITH SHORTED ACTIVE AND PASSIVE PLANAR LOOPS AND METHOD OF MAKING THE SAME, the specification of which is filed herewith in the United States Patent and Trademark Office. The present invention is related to United States patent application serial no. 10/314,791, filed December 12, 2002, titled COMPACT LOW PROFILE SINGLE FEED MULTI BAND PRINTED ANTENNAS and application serial no. 10/135,312, filed April 29, 2002, titled SINGLE FEED TRI BAND PIFA WITH PARASITIC ELEMENT and provisional application serial no. 60/424,850, filed November 8, 2002, titled OPTIMUM UTILIZATION OF SLOT GAP IN PIFA DESIGN.

The persons named as inventors in this application are Govind R. KADAMBI, Ted S. HEBRON, Willis R. HARDY and Sripathi YARASI.

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims.

We acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56. If this application is identified above as a continuation-in-part application above, we acknowledge the duty to disclose to the Office all information known to us to be material to patentability as defined in §1.56 which became available between the filing date of the prior application and the filing date of this continuation-in-part application.

No prior foreign application for patent or inventors' certificate has been filed.

Priority is not claimed in this application.

As named inventors, we hereby appoint the following patent attorneys to prosecute this application and transact all business in the Patent Office connected therewith:

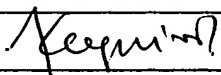
Brian P. Kinnear, Reg. No. 43,717, Thomas J. Osborne, Jr., Reg. No. 39,796, Trent H. Baker, Reg. No. 46,534, James R. Farmer, Reg. No. 47,555, L. Grant Foster, Reg. No. 33,236, Christopher Kulish, Reg. No. 33,056, and Francis A. Sirr, Reg. No. 17,265

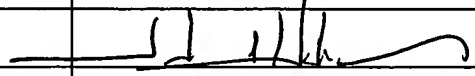
Send all correspondence relating to this matter to:

**Brian Kinnear, Esq. 43,717**  
HOLLAND & HART LLP  
555 17th Street, Suite 3200  
P.O. Box 8749  
Denver, Colorado 80201-8749

Direct all telephone calls to **Brian Kinnear** at **(303) 295-8170**.

We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventor's Full Name:	Govind R. KADAMBI
Inventor's Signature:	
Date:	7/7/03
Residence: (City, State and/or Country)	2344 N. 44 <sup>th</sup> STREET, APT #24 LINCOLN, NE - 68504
	CITIZEN OF INDIA
Post Address Office:	Same as above

Inventor's Full Name:	Ted S. HEBRON
Inventor's Signature:	
Date:	7/7/03
Residence: (City, State and/or Country)	5221 South 78 <sup>th</sup> St Lincoln, NE 68516
Citizenship:	US
Post Address Office:	Same as above

Inventor's Full Name:	Willis R. HARDY
Inventor's Signature:	<i>Willis R. Hardy</i>
Date:	7/7/03
Residence: (City, State and/or Country)	1604 Kennedy Drive York, NE
Citizenship:	Yes USA
Post Address Office:	Same as above

Inventor's Full Name:	Sripathi YARASI
Inventor's Signature:	<i>Sripathi Yarasi</i>
Date:	07/08/03
Residence: (City, State and/or Country)	620 S 52 <sup>nd</sup> St Lincoln, NE 68510
Citizenship:	U.S.
Post Address Office:	Same as above

**§ 1.56 duty to disclose information material to patentability.**

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or if

the duty of disclosure was violated through bad faith or intentional misconduct. The office encourages applicants to carefully examine:

(1) prior art cited in search reports of a foreign patent office in a counterpart application, and

(2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

(1) It establishes, by itself or in combination with other information, a *prima facie* case of unpatentability of a claim; or

(2) It refutes, or is inconsistent with, a position the applicant takes in:

(i) Opposing an argument of unpatentability relied on by the Office, or

(ii) Asserting an argument of patentability.

A *prima facie* case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

(1) Each inventor named in the application;

(2) Each attorney or agent who prepares or prosecutes the application; and

(3) Each other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent or inventor.